

IN THE CLAIMS:

Please amend the following claims:

1. (Currently Amended) A device comprising:
 - a communication system transmitter configured to transmit signals via a radio interface in a first frequency band, said communication system transmitter including a variable amplifier configured to amplify signals which are to be transmitted by said communication system transmitter;
 - a receiver configured to receive signals via a radio interface in a second frequency band, said receiver including an attenuator configured to attenuate signals received by said receiver; and
 - at least one processor configured to set an attenuation which is applied by said attenuator to signals received by said receiver to a non-blocking higher value in case said communication system transmitter is transmitting signals with a power level exceeding a certain value, and to set an attenuation which is applied by said attenuator to signals received by said receiver to a lower value in case no signal is transmitted by said communication system transmitter, wherein said higher value is sufficiently high to prevent an evaluation of said attenuated received signals, when said attenuation is set to said higher value, wherein said processor is further configured to set said attenuation which is applied by said attenuator to signals received by said receiver to a value which increases with an increasing amplification factor of an amplification applied by said variable amplifier to signals which are to be transmitted by said communication system transmitter.
2. (Cancelled)
3. (Previously Presented) The device according to claim 1, wherein said device comprises a communication system section including said communication system transmitter and a receiver section including said receiver configured to receive signals in a second frequency band, and wherein said at least one processor is located in at least one of said communication system section and said receiver section.

4. (Previously Presented) The device according to claim 3, wherein said at least one processor includes a processor provided in said communication system section and a processor provided in said receiver section.
5. (Currently Amended) The device according to claim 1, wherein said receiver configured to receive signals in said second frequency band further includes an automatic gain control component configured to control the gain of signals received by said receiver configured to receive signals in the second frequency band, and wherein said at least one processor is configured to combine information from said automatic gain control component and information from a communication system section including said communication system transmitter configured to determine an attenuation to be set.
6. (Previously Presented) The device according to claim 1, wherein said at least one processor is configured to determine an attenuation to be set based on at least one of the power level of signals transmitted by said communication system transmitter and the power level of signals received by said receiver configured to receive signals in said second frequency band.
7. (Previously Presented) The device according to claim 1, further comprising a communication system receiver configured to receive signals in said first frequency band, wherein said at least one processor is configured to determine an attenuation to be set based on the power level of signals received by said communication system receiver.
8. (Previously Presented) The device according to claim 1, wherein said at least one processor is configured to determine an attenuation to be set based in addition on the power level of signals received by said receiver configured to receive signals in said second frequency band.
9. (Previously Presented) The device according to claim 1, wherein said attenuator comprises a variable gain attenuator, and wherein said variable gain attenuator is

configured to apply at least part of said set attenuation to a signal received by said receiver by varying an attenuation applied by said variable gain attenuator to said received signal.

10. (Previously Presented) The device according to claim 9, wherein said receiver configured to receive signals in said second frequency band further includes an amplifier configured to amplify signals received via an antenna of said device, and a processor configured to process signals amplified by said amplifier, and wherein said variable gain attenuator is arranged between said amplifier and said processor configured to process signals amplified by said amplifier.

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13. (Previously Presented) The device according to claim 1, wherein said attenuator comprises a variable amplifier, wherein said variable amplifier is configured to apply at least part of said set attenuation to a signal received by said receiver by varying an amplification factor of an amplification applied by said variable amplifier to said received signal.

14. (Previously Presented) The device according to claim 1, further comprising an antenna which is connected to said receiver configured to receive signals in said second frequency band, wherein said attenuator comprises a component configured to apply at least part of said set attenuation to a signal received by said receiver by detuning said antenna.

15. (Previously Presented) The device according to claim 1, wherein said attenuator comprises a component configured to apply at least part of said set attenuation to a signal received by said receiver configured to receive signals in said second frequency band by reducing at least for one component of said receiver a supplied operation voltage.

16. (Previously Presented) The device according to claim 1, wherein said receiver configured to receive signals in said second frequency band further includes a first converter configured to convert a received radio frequency signal into an intermediate frequency signal and a second converter configured to convert an intermediate frequency signal output by said first converter into a baseband signal, and wherein said attenuator configured to apply said set attenuation to a signal received by said receiver at least at one of a radio frequency, an intermediate frequency and a baseband frequency.

17. (Previously Presented) The device according to claim 1, further comprising evaluating means adapted to evaluate said attenuated received signals only in case said attenuated received signals have a sufficiently high power level.

18. (Currently Amended) An apparatus comprising: at least one processor configured to set an attenuation which is applied by an attenuator of a receiver to signals received by a radio interface of said receiver in a second frequency band to a non-blocking higher value in case a transmitter of a communication system is transmitting signals via a radio interface in a first frequency band with a power level exceeding a certain value, and configured to set an attenuation which is applied by said attenuator to signals received by said receiver to a lower value in case no signal is transmitted by said communication system transmitter, wherein said higher value is sufficiently high to prevent an evaluation of said attenuated received signals, when said attenuation is set to said higher value, wherein said processor is further configured to set said attenuation which is applied by said attenuator to signals received by said receiver to a value which increases with an increasing amplification factor of an amplification applied by a variable amplifier to signals which are to be transmitted by said communication system transmitter.

19. (Currently Amended) A method for improving the performance of a receiver via a comprising:

attenuating a signal received by said receiver via a radio interface in a second frequency band with a non-blocking higher attenuation, in case a communication

system transmitter in which said receiver is combined in a single device is transmitting signals via a radio interface in a first frequency band with a power level exceeding a certain value, and

attenuating a signal received by said receiver with a lower attenuation, in case no signal is transmitted by said communication system transmitter, wherein said higher attenuation is sufficiently high to prevent an evaluation of received signals attenuated with said higher attenuation,

wherein said attenuation is set to a value which increases with an increasing amplification factor of a variable amplification applied to signals which are to be transmitted by said communication system transmitter.

20. (Cancelled)

21. (Currently Amended) The method according to claim 19, wherein for determining an attenuation to be used, information provided by an automatic gain control ~~for said receiver~~ controlling the gain of signals received by said receiver in the second frequency band and information provided by a communication system section including said communication system transmitter is combined.

22. (Previously Presented) The method according to claim 19, wherein an attenuation to be used is determined based on at least one of the power level of signals transmitted by said communication system transmitter and the power level of signals received by said receiver receiving signals in said second frequency band.

23. (Previously Presented) The method according to claim 19, wherein an attenuation to be used is determined based on the power level of signals received by a communication system receiver of said device in said first frequency band.

24. (Previously Presented) The method according to claim 19, wherein an attenuation to be used is determined based in addition on the power level of signals received by said receiver receiving signals in said second frequency band.

25. (Previously Presented) The method according to claim 19, wherein signals received by said receiver receiving signals in said second frequency band are attenuated by an attenuation applied by a variable gain attenuator.

26. (Previously Presented) The method according to claim 19, wherein signals received by said receiver receiving signals in said second frequency band are attenuated by reducing an amplification applied to said signals.

27. (Previously Presented) The method according to claim 19, wherein signals received by said receiver receiving signals in said second frequency band are attenuated by detuning an antenna forwarding signals to said receiver.

28. (Previously Presented) The method according to claim 19, wherein signals received by said receiver receiving signals in said second frequency band are attenuated by reducing at least for one component of said receiver a supplied operation voltage.

29. (Previously Presented) The method according to claim 19, wherein signals received by said receiver receiving signals in said second frequency band are attenuated at least at one of a radio frequency, an intermediate frequency and a baseband frequency.

30. (Previously Presented) The method according to claim 19, further comprising evaluating said attenuated received signals only in case said attenuated received signals have a sufficiently high power level.

31. (Currently Amended) An apparatus comprising:

[-] means for setting an attenuation which is applied by means for attenuating to signals received by means for receiving via a radio interface in a second frequency band to a non-blocking higher value in case means for transmitting are transmitting signals via a radio interface in a first frequency band with a power level exceeding a certain value, and

means for setting an attenuation which is applied by said means for attenuating to signals received by said means for receiving to a lower value in case no signal is transmitted by said means for transmitting, wherein said higher value is sufficiently high to prevent an evaluation of said attenuated received signals, when said attenuation is set to said higher value,

wherein said attenuation which is applied by said means for attenuating to signals received by said means for receiving is set to a value which increases with an increasing amplification factor of an amplification applied by variable amplification means to signals which are to be transmitted by said means for transmitting.

32. (Cancelled) .

33. (Currently Amended) The apparatus according to claim 18, wherein said receiver configured to receive signals in said second frequency band further includes an automatic gain control component configured to control the gain of signals received by said receiver configured to receive signals in the second frequency band, and wherein said at least one processor is configured to combine information from said automatic gain control component and information from a communication system section including said communication system transmitter for determining an attenuation to be set.

34. (Previously Presented) The apparatus according to claim 18, wherein said at least one processor is configured to determine an attenuation to be set based on at least one of the power level of signals transmitted by said communication system transmitter and the power level of signals received by said receiver configured to receive signals in said second frequency band.

35. (Previously Presented) The apparatus according to claim 18, wherein said device further comprises a communication system receiver configured to receive signals in said first frequency band, and wherein said at least one processor is configured to determine an attenuation to be set based on the power level of signals received by said communication system receiver.

36. (Previously Presented) The apparatus according to claim 18, further comprising evaluating means adapted to evaluate said attenuated received signals only in case said attenuated received signals have a sufficiently high power level.

37. (Previously Presented) The device according to claim 1, wherein said device is a mobile phone.